

AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** Monoclonal antibody, or fragments thereof, for isolating and/or identifying at least one cell population which is selected from the group consisting of haematopoietic stem cells, neuronal stem cells, neuronal progenitor cells, mesenchymal stem cells and mesenchymal progenitor cells, wherein the antibody, or a fragment thereof, binds to an epitope of CUB domain-containing protein 1(CDCP1) antigen which is the same as that bound by an antibody which is produced by the hybridoma cell lines CUB1, CUB2, CUB3 or CUB4, which were deposited in the Deutsche Sammlung für Mikroorganismen und Zellkulturen [German collection of microorganisms and cell cultures] (DSMZ), in accordance with the Budapest treaty, under the numbers DSM ACC2569, DSM ACC2566 and DSM ACC2565, on 14.08.2002, and DSM ACC2551, on 12.07.2002.

2. **(Currently amended)** Monoclonal antibody, or fragment thereof, ~~of Claim 1,~~ which is produced by the hybridoma cell line CUB1, which is deposited in the DSMZ under the number DSM ACC2569.

3. **(Currently amended)** Monoclonal antibody, or fragment thereof, ~~of Claim 1,~~ which is produced by the hybridoma cell line CUB2, which is deposited in the DSMZ under the number DSM ACC2566.

4. **(Currently amended)** Monoclonal antibody, or fragment thereof, ~~of Claim 1,~~ which is produced by the hybridoma cell line CUB3, which is deposited in the DSMZ under the number DSM ACC2565.

5. **(Currently amended)** Monoclonal antibody, or fragment thereof, ~~of Claim 1,~~ which is produced by the hybridoma cell line CUB4, which is deposited in the DSMZ under the number DSM ACC2551.

6. **(Cancelled)**

7. **(Original)** Hybridoma cell line, which produces an antibody according to Claim 2.

8. **(Original)** Hybridoma cell line, which produces an antibody according to Claim 3.

9. **(Original)** Hybridoma cell line, which produces an antibody according to Claim 4.

10. (Original) Hybridoma cell line, which produces an antibody according to Claim 5.

11.-17. (Cancelled)

18. (Original) Pharmaceutical composition comprising at least one monoclonal antibody according to Claim 1, or fragments thereof.

19. (Original) Pharmaceutical composition comprising at least one monoclonal antibody according to Claim 2, or fragments thereof.

20. (Original) Pharmaceutical composition comprising at least one monoclonal antibody according to Claim 3, or fragments thereof.

21. (Original) Pharmaceutical composition comprising at least one monoclonal antibody according to Claim 4, or fragments thereof.

22. (Original) Pharmaceutical composition comprising at least one monoclonal antibody according to Claim 5, or fragments thereof.

23. (Original) Kit, comprising at least one monoclonal antibody according to Claim 1, or fragments thereof.

24. (Original) Kit, comprising at least one monoclonal antibody according to Claim 2, or fragments thereof.

25. (Original) Kit, comprising at least one monoclonal antibody according to Claim 3, or fragments thereof.

26. (Original) Kit, comprising at least one monoclonal antibody according to Claim 4, or fragments thereof.

27. (Original) Kit, comprising at least one monoclonal antibody according to Claim 5, or fragments thereof.